CLAIMS :

1.   An encoding method applied to an input video sequence comprising successive frames partitioned in subframes, said method comprising at least the following steps of :

- estimating a motion vector for each subframe of the current frame to be encoded ;
- transforming, quantizing and coding a so-called input residual signal ;
- on the basis of the signals obtained after the quantizing step, generating a predicted frame by means of at least an inverse quantizing step, an inverse transform step and an adding step ;
- on the basis of said predicted frame and the motion vectors respectively associated to the subframes, generating a motion-compensated predicted frame ;
- by difference between the current frame and said motion-compensated predicted frame, generating said input residual signal ;

said encoding method being further characterized in that the predicted frame generating step is followed by a temporal filtering sub-step carried out on the predicted frame, before the motion compensated predicted frame generating step.

2.   An encoding method applied to an input video sequence comprising successive frames partitioned in subframes, said method comprising at least the following steps of :

- estimating a motion vector for each subframe of the current frame to be encoded ;
- transforming, quantizing and coding a so-called input residual signal ;
- on the basis of the signals obtained after the quantizing step, generating a predicted frame by means of at least an inverse quantizing step, an inverse transform step, a spatial filtering step and an adding step ;
- on the basis of said predicted frame and the motion vectors associated to the subframes, generating a motion-compensated predicted frame ;
- by difference between the current frame and said motion-compensated predicted frame, generating said input residual signal ;

said encoding method being further characterized in that the predicted frame generating step is followed by a temporal filtering sub-step carried out on the predicted frame, before the motion compensated predicted frame generating step.

3.   An encoding device provided for carrying out an encoding method according to anyone of claims 1 and 2.